

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number		10/798,486
Filing Date		March 11, 2004
First Named Inventor		Cantrell, Gary L.
Group Art Unit		1614
Examiner Name		Not yet known
Total Number of Pages in This Submission	22	Attorney Docket Number 717859.8

ENCLOSURES (check all that apply)

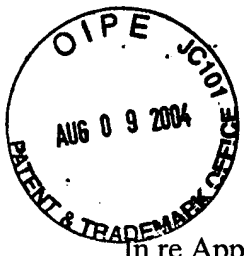
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Technology Center (TC)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input checked="" type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below); Exhibits A-G; return postcard
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)		
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	Remarks:	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual Name	Kevin M. Kercher, Reg. No. 33,408 Blackwell Sanders Peper Martin LLP		
Signature			
Date	8-6-04		

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as Express Mail in an envelope addressed to: Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. Express Mail Label No.: EV390576477US			
Typed or printed name	Beth Hookway		
Signature		Date	8-6-04



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Gary L. Cantrell)	
)	
U. S. Patent Application Serial Number: 10/798,486))	Examiner: Unknown.
)	
U.S. Filing Date: March 11, 2004,)	Group Art Unit: 1616
)	
Priority Data:)	
)	Customer No.: 27,128
This is a continuation application of prior U.S.)	
Patent Application No. 09/806,680 filed on)	
April 3, 2001, which is a national phase application))	Confirmation No.: Unknown
under 35 U.S.C. Section 371 of International)	
Application No. PCT/US99/23685 filed)	
October 12, 1999, which claims benefit of)	
U.S. Provisional Patent Application No.)	
60/103,860, filed October 12, 1998.)	
)	
For: NOVEL ULTRASOUND CONTRAST)	
AGENTS)	
)	
Attorney Docket: 717859.8 (1159.1))	

Mail Stop Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PETITION UNDER 37 C.F.R. SECTION 1.182

INTRODUCTION:

This petition is to correct the domestic priority data of a filing receipt of a prior U.S. national phase patent application filed under 35 U.S.C. Section 371 so that the filing receipt for the above continuation patent application can be corrected.

STATEMENT OF FACTS:

The prior-filed national phase patent application (U.S. Patent Application No. 09/806,680, filed April 3, 2001) incorrectly identified the domestic priority data on the filing receipt. The prior-filed application (U.S. Patent Application No. 09/806,680) (the “680

STLD01-1090251-1

Application of: Gary L. Cantrell
Appl. No. : 10/798,486
Petition Dated August 6, 2004

Application”) is a national phase application under 35 U.S.C. Section 371 of International Application No. PCT/US99/23685 (the “’685 PCT Application”) filed October 12, 1999, which claims benefit of U.S. Provisional Patent Application No. 60/103,860 (the “’860 Provisional Application”), filed October 12, 1998. (See Exhibit A, which is hereby attached).

The ‘685 PCT Application properly claimed the benefit of the ‘860 Provisional Application at the time of filing. Moreover, the Applicant received the Notification concerning submission or transmittal of the priority document on February 16, 2000. (See Exhibit B, which is hereby attached). The ‘680 Application under 35 U.S.C. Section 371 also claimed priority. But, the identification of the ‘860 Provisional Application in the filing receipt was inadvertently missing with only the ‘685 PCT Application identified. (See Exhibit A). However, the national phase patent application transmittal refers to the priority date of the ‘860 Provisional Application. (See Exhibit E). The Assignment filed with the ‘680 Application specifically refers to the ‘860 Provisional Application. (See Exhibit F). **Finally, the Declaration filed with the ‘680 Application specifically claims priority to the ‘860 Provisional Application. (See Exhibit G).**

The present application (U.S. Patent Application No. 10/798,486) (the “’486 Application”) is a continuation application of the ‘680 Application. The Applicant submitted a request for correction of the domestic priority data to claim the benefit of the ‘860 Provisional Application. But, the Patent and Trademark Office did not recognize the priority claim in the ‘486 Application due to the fact that the ‘680 Application did not list the ‘860 Provisional Application on the filing receipt for the ‘680 Application. (See Exhibit D).

Therefore, the correction of the domestic priority data of the ‘680 Application enables the Applicant to claim the benefit of the ‘860 Provisional Application for the present ‘486 Application.

Application of: Gary L. Cantrell
Appl. No. : 10/798,486
Petition Dated August 6, 2004

ACTION REQUESTED:

Entry of an amendment (See Exhibit C) to correct the cross-reference of the prior-filed application (U.S. Patent Application No. 09/806,680) is respectfully requested. In the alternative, any other procedure that would correct the computerized filing receipt data for the '680 Application so that a correct filing receipt can be obtained for the '486 Application.

DISCUSSION:

The Applicant's counsel had a telephone conversation with Ms. Eugenia Jones (Office of Patent Legal Administration, (703) 306-5586). Her recommendation and advice was to file this Petition under 37 C.F.R. Section 1.182 to correct the Filing Receipt of the abandoned prior-filed '680 Application. Upon the granting of this Petition, Applicant would then be allowed to correct the Filing Receipt of the present '486 Application.

Due to the computerized filing receipt system, the United States Patent and Trademark Office is not allowed to correct a clerical error in the filing receipt of an abandoned application without a petition under 37 C.F.R. Section 1.182.

The '680 Application is entitled to a corrected filing receipt. **The time periods for submitting the cross-reference in 37 C.F.R. Section 1.78(a)(2)(ii) do not apply because the '680 Application is a nonprovisional application which entered the national stage after compliance with 35 U.S.C. 371 from an international application filed under 35 U.S.C. 363 before November 29, 2000. See 37 C.F.R. Section 1.78(a)(2)(ii)(C). The International Application, '685 PCT application was filed on October 12, 1999.**

Moreover, the '685 PCT Application correctly claimed the benefit of the '860 Provisional Application at the time of filing with the timely submission of a priority document, as shown in Exhibit B. In addition, the '680 Application claimed the priority in the Declaration with only the domestic priority data of the '860 Application being inadvertently not listed on the Filing Receipt.

Therefore, since the United States Patent Office provides correction of virtually every type of error and irregularity, there is no reason not to rectify the filing receipt information in the prior-filed patent application. This includes correction of the domestic priority data, correction of

Application of: Gary L. Cantrell
Appl. No. : 10/798,486
Petition Dated August 6, 2004

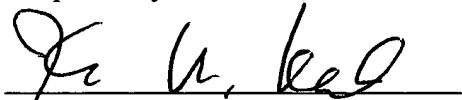
a filing date, and so forth. The United States Patent Office even allows for filing of missing pages of a patent application and missing drawings at a later date, while providing the Applicant with the filing date of the few papers that were initially filed.

CONCLUSION:

Therefore, Applicant respectfully requests that this nonpending patent application, i.e., "the '680 Application, be amended so that the currently pending patent application, i.e., the '486 Application, can have a correct filing receipt. If a telephone conference would facilitate resolving any issue related to this petition, the undersigned attorney for Applicant would appreciate and welcome such a telephone conference. The attorney for Applicant may be contacted as provided below.

Dated: August 6, 2004

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "K. M. Kercher", written over a horizontal line.

Kevin M. Kercher
Registration No. 33,408
Blackwell Sanders Peper Martin L.L.P.
720 Olive Street, 24th Floor
St. Louis, MO 63101
(314) 345-6249
Attorney for Applicant



UNITED STATES PATENT AND TRADEMARK OFFICE

 Commissioner for Patents, Box PCT
 United States Patent and Trademark Office
 Washington, D.C. 20231
 www.uspto.gov

 U.S. APPLICATION NO. 09/806680
 LAWRENCE L LIMPUS
 MALLINCKRODT INC
 675 MCDONNELL BOULEVARD
 PO BOX 5840
 ST LOUIS, MO 63134

FIRST NAMED APPLICANT

CANTRELL

ATTY DOCKET NO

G 1159 WO/US

INTERNATIONAL APPLICATION NO

PCT/US99/23685

I.A. FILING DATE

12 OCT 99

PRIORITY DATE

12 OCT 98

DATE MAILED 14 MAY 2001

NOTIFICATION OF ACCEPTANCE OF APPLICATION UNDER 35 U.S.C. 371 AND 37 CFR 1.494 OR 1.495

1. The applicant is hereby advised that the United States Patent and Trademark Office in its capacity as ☐ a Designated Office (37 CFR 1.494), ☒ an Elected Office (37 CFR 1.495), has determined that the above-identified international application has met the requirements of 35 U.S.C. 371, and is **ACCEPTED** for national patentability examination in the United States Patent and Trademark Office.

2. The United States Application Number assigned to the application is shown above and the relevant dates are:

03 April 2001

DATE OF RECEIPT OF

35 U.S.C. 371(c)(1), (c)(2) and (c)(4) REQUIREMENTS

03 April 2001

DATE OF RECEIPT OF ALL
35 U.S.C. 371 REQUIREMENTS

A Filing Receipt (PTO-103X) will be issued for the present application in due course. **THE DATE APPEARING ON THE FILING RECEIPT AS THE "FILING DATE" IS THE DATE ON WHICH THE LAST OF THE 35 U.S.C. 371 REQUIREMENTS HAS BEEN RECEIVED IN THE OFFICE. THIS DATE IS SHOWN ABOVE.** The filing date of the above-identified application is the international filing date of the international application (Article 11(3) and 35 U.S.C. 363). Once the Filing Receipt has been received, send all correspondence to the Group Art Unit designated thereon.

3. ☐ A request for immediate examination under 35 U.S.C. 371(f) was received on _____ and the application will be examined in turn.

4. The following items have been received:

- ☒ U.S. Basic National Fee.
- ☒ Copy of the international application.
- ☐ Translation of the international application into English.
- ☒ Oath or Declaration of inventor(s).
- ☐ Copy of Article 19 amendments. ☐ Translation of Article 19 amendments into English.
The Article 19 amendments ☐ have ☐ not been entered.
- ☒ The International Preliminary Examination Report in English and its Annexes, if any.
- ☐ Copy of the Annexes to the International Preliminary Examination Report (IPER).
☐ Translation of Annexes to the IPER into English.
The Annexes ☐ have ☐ not been entered.
- ☐ Preliminary amendment(s) filed _____ and _____.
- ☐ Information Disclosure Statement(s) filed _____ and _____.
- ☒ Assignment document.
- ☒ Power of Attorney and/or Change of Address.
- ☐ Substitute specification filed _____.
- ☐ Indication of Small Entity Status.
- ☐ Priority Document.
- ☒ Copy of the International Search Report ☐ and copies of the references cited therein.
- ☐ Other:

Applicant is reminded that any communication to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5).

Deborah Williams *DW*

Telephone: 703-305-3744

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UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/806,680	04/03/2001	1616	860	1159 WO/US		20	2

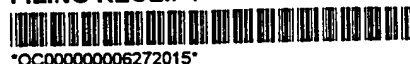


Lawrence L Limpus
Mallinckrodt Inc
675 McDonnell Blvd
PO Box 5840
St Louis, MO 63134

JUL 13 2001

CONFIRMATION NO. 5898

FILING RECEIPT



OC000000006272015

Date Mailed: 07/09/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Gary L. Cantrell, Troy, IL;

Domestic Priority data as claimed by applicant

THIS APPLICATION IS A 371 OF PCT/US99/23685 10/12/1999

Foreign Applications

Projected Publication Date: N/A

Non-Publication Request: No

Early Publication Request: No

Title

Novel ultrasound contrast agents

Preliminary Class

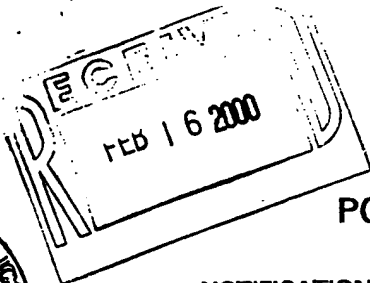
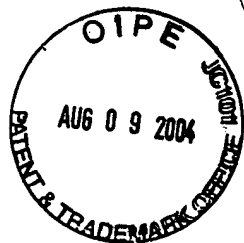
Mallinckrodt Docket	
CASE#:	1159 WO/US
ATTY:	L3
DUE:	
CHECKED:	
COMPLETED:	
OK TO FILE:	<i>[Signature]</i>

Date: 07/09/2001



PATENT COOPERATION TREATY

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PCT

**NOTIFICATION CONCERNING
SUBMISSION OR TRANSMITTAL
OF PRIORITY DOCUMENT**

(PCT Administrative Instructions, Section 411)

From the INTERNATIONAL BUREAU

To:

LIMPUS, Lawrence, L.
Mallinckrodt Inc.
675 McDonnell Boulevard
P.O. Box 5840
St. Louis, MO 63134
ÉTATS-UNIS D'AMÉRIQUE

Date of mailing (day/month/year) 07 February 2000 (07.02.00)	
Applicant's or agent's file reference 1159 WO	IMPORTANT NOTIFICATION
International application No. PCT/US99/23685	International filing date (day/month/year) 12 October 1999 (12.10.99)
International publication date (day/month/year) Not yet published	Priority date (day/month/year) 12 October 1998 (12.10.98)
Applicant MALLINCKRODT INC. et al	

- The applicant is hereby notified of the date of receipt (except where the letters "NR" appear in the right-hand column) by the International Bureau of the priority document(s) relating to the earlier application(s) indicated below. Unless otherwise indicated by an asterisk appearing next to a date of receipt, or by the letters "NR", in the right-hand column, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
- This updates and replaces any previously issued notification concerning submission or transmittal of priority documents.
- An asterisk(*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b). In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
- The letters "NR" appearing in the right-hand column denote a priority document which was not received by the International Bureau or which the applicant did not request the receiving Office to prepare and transmit to the International Bureau, as provided by Rule 17.1(a) or (b), respectively. In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

<u>Priority date</u>	<u>Priority application No.</u>	<u>Country or regional Office or PCT receiving Office</u>	<u>Date of receipt of priority document</u>
12 Octo 1998 (12.10.98)	60/103,860 Mallinckrodt Docket	US	04 Febr 2000 (04.02.00)

CASE#: 1159 WO

ATTY: L3

DUE: CHECKED:

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	COMPLETED: <u> </u>	Authorized officer
	OK TO FILE: <u> </u>	Taieb Akreimi <u> </u>
Facsimile No. (41-22) 740.14.35		Telephone No. (41-22) 338.83.38

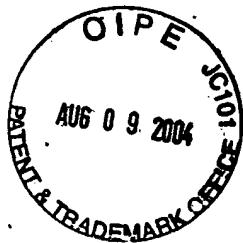


EXHIBIT C

PATENT 717859.8

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Gary L. Cantrell)	
)	
U. S. Patent Application Serial Number: 09/806,680)	Primary Examiner: Michael G. Hartley
)	
U.S. Filing Date: April 3, 2001)	Group Art Unit: 1616
)	
PCT No.: PCT/US99/23685)	Customer No.: 27,128
)	
International Filing Date: October 12, 1999)	Confirmation No.: 5898
)	
Priority Data:)	
U.S. Provisional Patent No. 60/103,860)	
Filed October 12, 1998)	
)	
For: NOVEL ULTRASOUND CONTRAST)	
AGENTS)	
)	
Attorney Docket: 717859.8 (1159.1))	

AMENDMENT

Mail Stop Non-Fee Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INTRODUCTION

Prior to examination, it is respectfully requested that the application be amended as follows:

Amendment to the Specification begins on page 2 of this paper.

Remarks begin on page 3 of this paper.

Application of: Gary L. Cantrell
Appl. No. : 09/806,680
Amendment dated August 6, 2004

Amendment to the Specification:

Please amend paragraph [0001] on Page 1 after the Title of **NOVEL ULTRASOUND**

CONTRAST AGENTS:

APPLICATION CROSS-REFERENCE:

[0001] This application is a national phase application under 35 U.S.C. Section 371 of International Application No. PCT/US99/23685 filed October 12, 1999, which claims benefit of U.S. Provisional Patent Application No. 60/103,860, filed October 12, 1998.

Application of: Gary L. Cantrell
Appl. No. : 09/806,680
Amendment dated August 6, 2004

REMARKS

Applicant has amended the specification to ensure that the patent application filing receipt accurately reflects the entitled priority claim this patent application is a national phase patent application under 35 U.S.C. Section 371 of International Application No. PCT/US99/23685 filed October 12, 1999. International Application No. PCT/US99/23685 filed October 12, 1999 properly claimed benefit of U.S. Provisional Patent Application No. 60/103,860, filed October 12, 1998 and this Amendment merely rectifies the filing receipt accordingly.

Respectfully submitted,

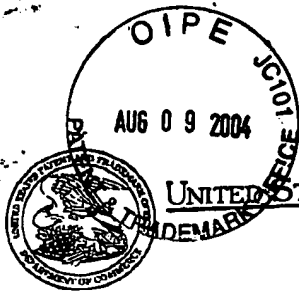
Date:

August 6, 2004



Kevin M. Kercher, Reg. No. 33,408
Blackwell Sanders Peper Martin LLP
720 Olive Street, 24th Floor
St. Louis, MO 63101
Telephone: (314) 345-6000
Fax: (314) 345-6060
ATTORNEY FOR APPLICANTS

EXHIBIT D

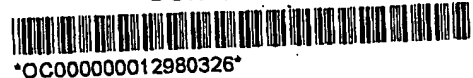


UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
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 Alexandria, Virginia 22313-1450
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APPLICATION NUMBER	FILING OR 371(c) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
10/798,486	03/11/2004	Gary L. Cantrell	717859.8 (1159.1)

CONFIRMATION NO. 6296



OC000000012980326

27128
 BLACKWELL SANDERS PEPER MARTIN LLP
 720 OLIVE STREET
 SUITE 2400
 ST. LOUIS, MO 63101

Date Mailed: 06/17/2004

RESPONSE TO REQUEST FOR CORRECTED FILING RECEIPT

Domestic Continuity and Foreign Priority

In response to your request for a corrected Filing Receipt, the Office is unable to comply with the request because:

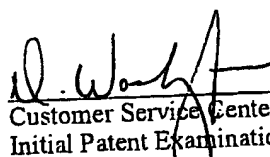
- ☐ The priority or continuity claim has not been entered because it was not filed during the required time period. Applicant may wish to consider filing a petition to accept an unintentionally delayed claim for priority. See 37 CFR 1.55 or 1.78.
- ☐ Continuity claimed under 35 U.S.C. § 120 cannot be added to the Filing Receipt without the applicant supplying the relationship (continuation, divisional, or continuation-in-part) in an Application Data Sheet or amendment to the first page of the specification.
- ☐ A claim for priority cannot be made based on an application filed after the application making the claim.
- ☐ Domestic benefit and foreign priority claims will not be captured in a provisional application. A provisional application is not entitled to a right of priority or to the benefit of an earlier filing date of any other application. See 35 U.S.C. § 111(b)(7) and 37 CFR 1.53(c)(4).
- ☐ A domestic continuity claim cannot be made to a foreign application and the filing receipt will only list the foreign country, application number, and filing date.
- ☐ Foreign priority will appear on the Filing Receipt in the following order: **Country, Application number, Filing date.**
- ☐ This application is the result of a conversion from a provisional application. Priority based on such application cannot be made since it no longer exists as a provisional application.

RECEIVED
 JUN 22 2004

☒ The application(s) to which priority is claimed were filed over a year prior to the filing date of this application. Therefore, the referenced application(s) cannot be claimed as domestic or foreign priority.

☐ To change the benefit claim of a U.S. prior-filed application, applicant must amend the first sentence of the specification (if the benefit claim is referenced in the specification), or provide a supplemental application data sheet (ADS) (if the benefit claim was submitted in an ADS), with the desired benefit claim. Note that once a benefit claim is deleted, applicant will not be able to claim such prior-filed application again, if the above-identified application was filed on or after November 29, 2000.

☐ To change a foreign priority claim, applicant must submit a supplemental oath or declaration (if the priority claim is referenced in the oath or declaration), or a supplemental application data sheet (ADS) (if the priority claim was submitted in an ADS), with the desired priority claim. If a supplemental ADS is submitted, any deletions should be shown with strikeouts. Note that once a priority claim is deleted, applicant will not be able to claim such foreign application again, if the above-identified application was filed on or after November 29, 2000.


Customer Service Center
Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY

INTERNATIONAL APPLICATION NO.
PCT/US99/23685INTERNATIONAL FILING DATE
12 Oct., 1999

TITLE OF INVENTION

NOVEL ULTRASOUND CONTRAST AGENTS

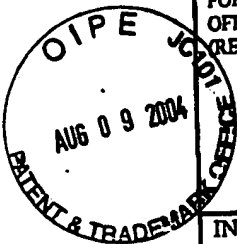
APPLICANT(S) FOR DO/EO/US

MALLINCKRODT Inc.

Applicant herewith submits to the United States Designed/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
 2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
 3. ☐ This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
 4. ☒ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
 5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☐ has been transmitted by the International Bureau.
 - c. ☒ is not required, as the application was filed in the United States Receiving Office (RO/US).
 6. ☐ A translation of the International Application into English (35 U.S.C. 371 (c)(2)).
 7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☐ have been transmitted by the International Bureau
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
 8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
 9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
 10. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
- Items 11. to 16. below concern document(s) or information included:
11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
 12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
 13. ☐ A **FIRST** preliminary amendment
 14. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
 15. ☐ A substitute specification.
 16. ☐ A change of power of attorney and/or address letter.
 17. ☐ Other items or information.

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1159 WO/US

CALCULATIONS PTO USE ONLY

BASIC NATIONAL FEE (37 CFR 1.445(a)(1))
Neither international preliminary examination fee (37 CFR 1.482)
nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO
and International Search Report not prepared by the EPO or JPO.....\$1000.00
International preliminary examination fee (37 CFR 1.482) not paid to
USPTO but International Search Report prepared by the EPO or JPO.....\$860.00
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but
international search fee (37 CFR 1.445(a)(2)) paid to USPTO.....\$710.00
International preliminary examination fee paid to USPTO (37 CFR 1.482)
but all claims did not satisfy provisions of PCT Article 33(1)-(4).....\$690.00
International preliminary examination fee paid to USPTO (37 CFR 1.482)
and all claims satisfied provisions of PCT Article 33 (1)-(4).....\$100.00

ENTER APPROPRIATE BASIC FEE AMOUNT =

\$860.00

Surcharge of \$130.00 for furnishing the oath or declaration later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492(e)).

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CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
Total claims	20 - 20 =	0	x \$18.00
Independent claims	3 - 3 =	0	x \$78.00
MULTIPLE DEPENDENT CLAIMS(S) (if applicable)			+ \$270.00

TOTAL OF ABOVE CALCULATIONS =

\$860.00

Reduction of 1/2 for filing by small entity, if applicable. A Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28).

SUBTOTAL =

\$860.00

Processing fee of \$130.00 for furnishing the English translation later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492(f)).

TOTAL NATIONAL FEE =

\$860.00

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property.

\$0.00

TOTAL FEES ENCLOSED =

\$860.00

Amount to be refunded:	\$
------------------------	----

a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.

b. ☒ Please charge my Deposit Account No. 13-1160 in the amount of \$1178.00 to cover the above fees.
A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 13-1160. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Lawrence L. Limpus
Mallinckrodt Inc.
675 McDonnell Boulevard
P.O. Box 5840
St. Louis, Missouri 63134

Form PTO 1390 (REV 11-98) page 2 of 2

SIGNATURE

Lawrence L. Limpus
NAME

27,816
REGISTRATION NUMBER



BEST AVAILABLE COPY

CORRESPONDENT NAME AND ADDRESS	
AREA CODE AND TELEPHONE NUMBER: 314.654.8955	
3778	
Lawrence L. Limpus Mallinckrodt Inc. 675 McDonnell Boulevard P.O. Box 5840 St. Louis, MO 63134	

Pages Total number of pages of the attached conveyance document
including any attachments

4

PATENT APPLICATION NUMBER(S)	
60/103860	
If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor	
	Month/Day/Year
PATENT COOPERATION TREATY (PCT)	
Application Number(s): PCT/US99/23685	
NUMBER OF PROPERTIES INVOLVED: 1	
FEE AMOUNT FOR PROPERTIES LISTED: \$40.00	
METHOD OF PAYMENT: Deposit Account Number 13-1160	
AUTHORIZATION TO CHARGE ADDITIONAL FEES: Yes	
STATEMENT AND SIGNATURE	
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.	
Lawrence L. Limpus	
Name of Person Signing	Signature
	Date

4-2-2001



RECORDATION FORM COVER SHEET PATENTS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

SUBMISSION TYPE:	CONVEYANCE TYPE:
<input checked="" type="checkbox"/> New	<input checked="" type="checkbox"/> Assignment
	<input type="checkbox"/> Change of Name

CONVEYING PARTY(IES):	
Name	Execution Date (Month/Day/Year)
Gary L. Cantrell	March 21, 2001

RECEIVING PARTY:
Mallinckrodt Inc. 675 McDonnell Boulevard P.O. Box 5840 St. Louis, Missouri USA 63134

DOMESTIC REPRESENTATIVE NAME AND ADDRESS:
Lawrence L. Limpus Mallinckrodt Inc. 675 McDonnell Boulevard St. Louis, MO 63134

ASSIGNMENT

WHEREAS, I, Gary L. Cantrell, 509 Lakewood Drive, Troy, Illinois 62294 USA, have invented an invention entitled "NOVEL ULTRASOUND CONTRAST AGENTS", identified as U.S. Serial No. 60/103,860, Case No. 1159 P US; and

WHEREAS, Mallinckrodt Inc. of St. Louis, Missouri, a corporation of the State of Delaware, wants to acquire the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, in consideration of Five Dollars (\$5.00), the receipt of which is hereby acknowledged, and other valuable consideration, I do hereby sell, assign and transfer unto said Mallinckrodt Inc., its successors and assigns, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any applications filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also any improvements on said invention or inventions now or hereafter made by us during the period of our employment; also the entire right, title and interest in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention, inventions, or improvements and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention, inventions, or improvements in this or any foreign country; and I hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said Mallinckrodt Inc., as assignee of the entire interest.

BEST AVAILABLE COPY

I hereby certify that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full Name of Joint Inventor:

Gary L. Cantrell

Gary L. Cantrell

Signature of Inventor

3/2/10

Date

United States of America

Citizenship

Residence:

509 Lakewood Drive
Troy, IL 62294
USA

Post Office Address:

Same as Residence



DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I declare that:

My residence and post office address and my citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: "NOVEL ULTRASOUND CONTRAST AGENTS" the Specification of which was filed on October 12, 1998, as Application Serial No. 60/103,860.

I hereby state that I have reviewed and understand the contents of the above identified Specification, including the Claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, code of Federal Regulations Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

60/103,860	October 12, 1998	Pending
(Appln. Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)

I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent & Trademark Office connected therewith.

Jeffrey S. Boone	Reg. No. 29,284
Lawrence L. Limpus	Reg. No. 27,816

Further, I hereby request that all correspondence about the present application be addressed to:

Lawrence L. Limpus
Mallinckrodt Inc.
P.O. Box 5840
675 McDonnell Blvd.
St. Louis, Missouri 63134

I further agree, without any payment by Mallinckrodt Inc. other than expenses incurred by the undersigned, to communicate to said Mallinckrodt Inc., its representatives or agents, any fact relating to said invention, inventions or improvements, including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings, whenever requested; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal on the dates set after my signature.

(L.S.) Gary L. Cantrell, Dated: 3/21, 2001
Gary L. Cantrell

Acknowledgment
State of Missouri)
County of St. Louis) ss

On this 21st day of March, 2001, before me personally appeared Gary L. Cantrell, to me known to be the person described in and who executed the foregoing instrument, and acknowledge that he executed the same as his free act and deed. In testimony whereof I have hereunto set my hand and official seal the day and year last above written.
(Seal)

Pauline Marcinkiewicz
Notary Public

My commission expires on March 25, 2002

PAULINE MARCINKIEWICZ
NOTARY PUBLIC - STATE OF MISSOURI
ST. CHARLES COUNTY
MY COMMISSION EXPIRES MAR. 25, 2002